Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/01/2018 11:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123659	-2	1.13	123724	1.15
Blue	F	SSC	125000	123492	-2	1.53	124222	1.54
Blue	E	FITC	16596	16101	-3	2.85	347	21.36
Blue	D	PE	29392	28670	-3	1.88	625	15.83
Blue	B	PerCP-Cy5-5	38531	38213	-1	4.12	1164	21.84
Blue	A	PE-Cy7	26351	26606	0	7.25	651	43.54
Red	C	APC	43035	42276	-2	2.77	1589	13.36
Red	A	APC-Cy7	25611	25396	-1	2.84	878	13.12
Violet	B	V450	8803	8601	-3	3.77	472	13.72
Violet	A	V500	32560	32393	-1	3.42	753	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20321	2.99	603	6	N/A	N/A	Pass
Blue	F	SSC	56202	1.03	565	10	N/A	N/A	Pass
Blue	E	FITC	62	68.71	553	3	0.0172	157	Pass
Blue	D	PE	130	55.17	553	4	0.1491	324	Pass
Blue	B	PerCP-Cy5-5	224	52.09	656	5	0.0080	56	Pass
Blue	A	PE-Cy7	124	106.67	714	9	0.0096	18	Pass
Red	C	APC	374	28.40	605	8	0.0200	153	Pass
Red	A	APC-Cy7	216	29.15	578	7	0.0046	1158	Pass
Violet	B	V450	75	64.99	481	6	0.0616	3237	Pass
Violet	A	V500	113	34.00	492	8	0.0223	777	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.58	-32.17	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	15.54	13.60 - 20.40	N/A	N/A	29.53	29.86	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9524

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments